



# Operator's Manual

Serial Number Range

**S<sup>®</sup>-80 J**

from S80JH-101

**S<sup>®</sup>-80 J TraX<sup>™</sup>**

CE  
PK

with  
Maintenance  
Information

Original Instructions  
First Edition  
Third Printing  
Part No. 1306266GT

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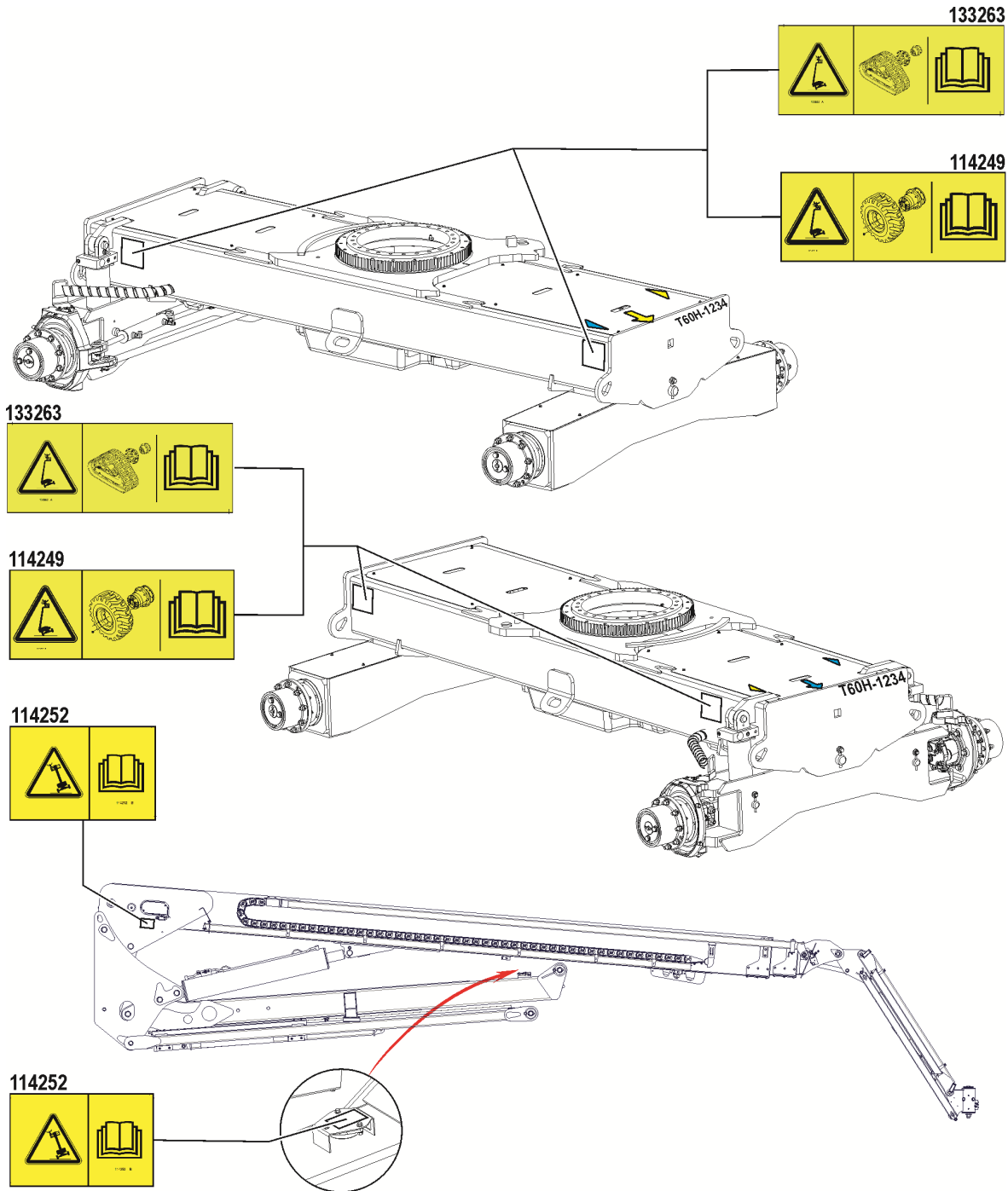
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# General Safety

\* These decals are model, option or configuration specific.

Pictures in this manual may show a boom with tires and wheels instead of tracks. All safety information and operating instructions still apply to the S-80 J TRAX, even if the picture does not show the tracks.



## Work Area Safety

### ⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Genie service manual.

Be sure all decals are in place and legible.

Be sure the operator's manual is complete, legible, and in the storage container located on the machine.

### ⚠ Component Damage Hazards

Do not use any battery or charger greater than 12V to jump-start the engine.

Do not use the machine as a ground for welding.

Do not operate the machine in locations where extremely high magnetic fields may be present.

### ⚠ Battery Safety

#### Burn Hazards



Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

#### Explosion Hazards



Keep sparks, flames, and lighted tobacco away from batteries. Batteries emit explosive gas.

### ⚠ Electrocutation Hazard

Avoid contact with electrical terminals.

# Controls

## Platform Control Panel

### 1 Horn button

Press this button and the horn will sound. Release the button and the horn will stop.

### 2 Platform level switch

Move the platform level switch up and the level of the platform will raise. Move the platform level switch down and the level of the platform will lower.



### 3 Platform rotate switch

Move the platform rotate switch to the left and the platform will rotate left. Move the platform rotate switch to the right and the platform will rotate right.



### 4 Jib boom up/down switch

Move the jib boom switch up and the jib boom will raise. Move the jib boom switch down and the jib boom will lower.



### 5 Glow plug indicator light

Light on indicates the glow plugs are on.

### 6 Fault indicator light

Light on indicates a system fault.

### 7 Platform overload indicator light

Light flashing indicates the platform is overloaded. The engine will stop and no functions will operate. Remove weight until the light goes off and then restart the engine.

### 8 Machine on incline indicator light

Light on indicates the tilt sensor activation settings have been exceeded. See the instructions in the Operating Instructions section.

### 9 Generator indicator light

Light on indicates the generator is in use.

### 10 Generator switch (if equipped)

Move the generator switch up to activate the generator. Move the switch down to turn off the generator.

### 11 Aircraft protection override switch (if equipped)

Move and hold the aircraft protection override switch to operate the machine when the platform bumper is against an object.

### 12 Red Emergency Stop button

Push in the red Emergency Stop button to the off position to stop all functions and turn the engine off. Pull out the red Emergency Stop button to the on position to operate the machine.

# Inspections

## Test the Drive Enable System

- 45 Press down the foot switch and lower the boom to the stowed position.
- 46 Rotate the turntable until the boom moves past one of the non-steer wheels, or non-steer tracks.

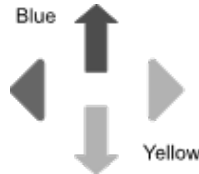
- ⊙ Result: The drive enable indicator light should flash while the boom is anywhere in the range shown.



- 47 Move the drive control handle off center.
- ⊙ Result: The drive function should not operate.
- 48 Move and hold the drive enable toggle switch to either side and slowly move the drive control handle off center.
- ⊙ Result: The drive function should operate.

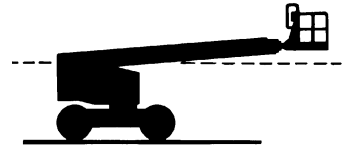
Note: When the drive enable system is in use, the machine may drive in the opposite direction that the drive and steer control handle is moved.

Use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction of travel.



## Test Limited Drive Speed

- 49 Press down the foot switch.
- 50 Raise the boom approximately 5° above horizontal.



- 51 Slowly move the control handle to full drive position.
- ⊙ Result: The maximum achievable drive speed with the boom extended should not exceed 1 ft/30 cm per second.
- 52 Lower the boom to the stowed position.
- 53 Extend the boom 18 inches/46 cm.
- 54 Slowly move the control handle to full drive position.
- ⊙ Result: The maximum achievable drive speed with the boom extended should not exceed 1 ft/30 cm per second.

If the drive speed with the boom raised or extended exceeds 1 ft/30 cm per second, immediately tag and remove the machine from service.

# Operating Instructions

## Operation from Platform

- 1 Turn the key switch to platform control.
- 2 Pull out both ground and platform red Emergency Stop buttons to the on position.

The engine glow plugs will automatically start when the machine is turned on.

- 3 When the glow plugs turn off, start the engine. Do not press down the foot switch when starting the engine.

## To Position Platform

- 1 Press down the foot switch.
- 2 Slowly move the appropriate function control handle or toggle switch or press the appropriate button according to the markings on the control panel.

## To Steer

- 1 Press down the foot switch.
- 2 Slowly move the drive control handle in the direction indicated by blue or yellow triangles OR press the thumb rocker switch located on top of the drive control handle.

Use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction the wheels will turn.

## To Drive

- 1 Press down the foot switch.
- 2 Increase speed: Slowly move the control handle off center.

Decrease speed: Slowly move the control handle toward center.

Stop: Return the control handle to center or release the function enable switch.

Use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction the machine will travel.

Machine travel speed is restricted when the boom is raised.

# Operating Instructions

## Panel Cradle Assembly

- 1 Apply the warning decal to the front of each panel cradle (if needed).
- 2 Install rubber bumper 1 in the panel cradle base. See the illustration.
- 3 Secure the bumper with 2 high profile lock nuts and 2 washers.

## Panel Cradle Installation

- 1 Insert the hook piece through the slots in the panel cradle base.
- 2 Hook the panel cradle to the bottom platform tube in the desired location.
- 3 Install rubber bumper 2 through the panel cradle base and the hook piece. See the illustration.
- 4 Secure with 2 low profile lock nuts.
- 5 If the panel cradle is installed at a platform floor support tube, insert the U-bolt through the floor, around the tube and into the panel cradle base.
- 6 Secure the U-bolt with 2 nuts and 2 washers. Proceed to step 9.
- 7 If the panel cradle is not installed at a platform floor support tube, use the aluminum tube provided.
- 8 Place the tube between the panel cradle and the platform floor. Insert the U-bolt through the floor, around the tube and into the panel cradle base.
- 9 Repeat above for the second set of parts.

## Installation of Padding

- 1 Install the 2 pieces of padding on the platform rails. Position the padding to protect the panels from contact with the platform rails.

## Installation of Strap

- 1 Open the clamp and install it around a vertical platform rail tube.
- 2 Insert a bolt with a washer through one side of the clamp.
- 3 Install the strap assembly end plate onto the bolt.
- 4 Insert the bolt through the other side of the clamp.
- 5 Secure with a washer and a nut. Do not over-tighten. The strap assembly end plate should be able to slide on the platform rail.

## Panel Cradle Operation

- 1 Secure both panel cradles to the platform.
- 2 Place the load so that it rests in both panel cradles.
- 3 Center the load on the platform.
- 4 Secure the load to the platform using the strap. Tighten the strap.

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